101.5 - Gases in Ferrous Metals (rod and disk form)

These SRMs are intended for determining oxygen and nitrogen by vacuum fusion, inert gas fusion, and neutron activation methods.

For further information see SP 260-14

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	1089†	1090	1091a	1093	1094	1754	1755
Description	Steels, Set (consists of SRMs 1095, 1096, 1097, 1098 and 1099)	Oxygen in Ingot Iron	Oxygen in Stainless Steel (AISI 431)	Oxygen in Valve Steel	Oxygen in Maraging Steel	Low-Alloy Steel, AISI 4320	Nitrogen in Low Alloy Steel
Unit of Issue	(5 rods)	(rod)	(rod)	(rod)	(rod)	(rod)	(disk)
Elemental Composition (mass fraction, in mg/kg)							
Hydrogen	(5 levels)						
Nitrogen	2 levels (3 levels)	(60)	(876)		(71)	81	118.4
Oxygen	5 levels	491	132.2	60	4.5	24	

† These SRMs are sold only as a set designated SRM 1089.

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only